



347804

AUTHORIZATION TO DISCHARGE AND CONSTRUCT WASTEWATER TREATMENT FACILITIES
UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
AND STATE DISPOSAL SYSTEM PERMIT PROGRAM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et seq; hereinafter the "Act"), Minnesota Statutes Chapters 115 and 116 as amended and Title 6, Part 4.8036 of the Minnesota Code of Agency Rules (hereinafter 6 MCAR § 4.8036)

ALIGNED FIBER COMPOSITES, INC.
(AFC, INC.)

is authorized by the Minnesota Pollution Control Agency, to construct and operate wastewater treatment facilities and/or to discharge from
Chatfield, Minnesota

to receiving water named North Branch of the Root River via unnamed creek and ditch.

in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts I and II, hereof.

This permit shall become effective on the date of issuance by the Director.

This permit and the authorization to discharge shall expire at midnight, March 31, 1986. The Permittee is not authorized to discharge after the above date of expiration. In order to receive authorization to discharge beyond the above date of expiration, the Permittee shall submit such information and forms as are required by the Agency no later than 180 days prior to the above date of expiration pursuant to 6 MCAR § 4.8036.

Date: DEC 21 1981

Barry C. Schade
Director
Division of Water Quality

For Louis J. Breimhurst
Executive Director
Minnesota Pollution Control Agency

A. DESCRIPTION

The principal activity at this facility is the manufacture of structural fiberglass materials, such as fence posts, industrial gratings, etc.

The disposal system discharges process wastewater (contact cooling water) and non-contact cooling water from outfall 20100 at an average rate of approximately 1,600 and 1,400 gallons per day respectively. In the past the wastewater from the facility has been discharged to two settling basins operating in series. A third basin became operational during 1980. These settling basins range in size from approximately 2,800 square feet to 3,300 square feet.

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PART I

B. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date of this permit and lasting until March 31, 1986. the Permittee is authorized to discharge from outfall serial number 20100

Such discharges shall be limited and monitored by the Permittee as specified below:

<u>EFFLUENT CHARACTERISTIC</u>	<u>DISCHARGE LIMITATIONS</u>			<u>MONITORING REQUIREMENTS</u>	
	kg/day (lbs/day)	Other Units (specify)		Measurement Frequency	Sample Type
Flow-m ³ /Day (MGD)		Thirty (30) Consecutive Day Average	Thirty (30) Consecutive Day Average	Daily	Daily Average Flow Estimate
Total Suspended Solids*	-	-	-	Monthly	Grab
Turbidity	.34(.75)	.68(1.5)	30 mg/l	Monthly	Grab
Oil and Grease	.12(.25)	.17(.37)	10 mg/l	Monthly	Grab

The pH shall not be less than 6.5 nor greater than 8.5 and shall be monitored monthly by grab sample. These upper and lower limitations are not subject to averaging and shall be met at all times.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

The discharge shall not contain oil or other substances in amounts sufficient to create a visible color film on the surface of the receiving waters.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: at a point representative of the discharge from the disposal system.

* The seven consecutive-day average shall not exceed 45 mg/l.

C. OTHER REQUIREMENTS

1. Pretreatment Requirements

No pollutant shall be discharged from this facility to a publicly owned treatment works except in accordance with pretreatment standards established in accordance with the Act or Minnesota Statutes or any such local standards or requirements. No pollutant shall be discharged into any publicly owned disposal system which interferes with, passes through inadequately treated or otherwise is incompatible with such disposal system. The Permittee shall not make modifications to divert any discharge of pollutants authorized by this permit to a publicly owned treatment works without having first notified and received the approval of the Director.

2. Polychlorinated Biphenyl Compounds

There shall be no discharge of polychlorinated biphenyl compounds including, but not limited to those commonly used in electrical transmission components.

3. Water Treatment Additives

There shall be no use of water treatment additives other than those reported on the application for this permit, nor any significant increase in the amount of any treatment additive used, without prior approval of the Director. In requesting approval to use a water treatment additive, the Permittee shall provide the Director (Attn: Permits Section) with the commercial name of the product to be used, the amount or concentration to be used, and the frequency of usage proposed. This permit may be modified to restrict the usage or discharge of a treatment additive or to require additional effluent monitoring.

4. Reopening Clause

This permit shall be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under sections 301 (b)(2)(c), and (D), 304 (b)(2), and 307 (a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:

- (1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
- (2) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

D. MONITORING AND REPORTING**1. Monitoring****a. Representative Sampling**

Samples shall be taken at a point representative of the discharge. Any monitoring measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

b. Quality Assurance

In order to insure the validity of analytical data, the Permittee shall submit an outline of the quality assurance program employed by the laboratory performing the analyses. Such outline shall be contained in the monitoring plan required by PART I, D.2.

c. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations promulgated pursuant to Section 304 (h) of the Act, and Minnesota Statutes, Section 115.03, Subd. 1 (e) (7) as amended.

The Permittee shall periodically calibrate and perform maintenance on all monitoring and analytical instrumentation used to monitor pollutants discharged under this permit, at intervals to insure accuracy of measurements. The Permittee shall maintain written records of all such calibrations and maintenance.

d. Recording of Results

For each measurement taken or sample collected pursuant to the requirements of this permit, the Permittee shall record the following information, except for data in items 1) and 4) below which is identified in the monitoring plan required by PART I, D.2.

- 1) the exact place, date, and time of sampling;
- 2) the dates the analyses were performed;
- 3) the person who performed the analyses;
- 4) the analytical techniques, procedures or methods used; and
- 5) the results of such analyses.

e. Additional Monitoring by Permittee

If the Permittee monitors any pollutant designated herein more frequently than required by this permit, or as otherwise directed by the Agency or Director, the results of such monitoring shall be included in the calculation and reporting of values submitted on the Discharge Monitoring Report Form. Any increased monitoring frequency shall also be indicated on such designated form.

f. Recording and Records Retention

All sampling and analytical records required by this permit shall be retained by the Permittee for a minimum of three (3) years. The Permittee shall also retain all original recordings from any continuous monitoring instrumentation, and any calibration and maintenance records, for a minimum of three (3) years. These retention periods shall be automatically extended during the course of any legal or administrative proceedings or when so requested by the Regional Administrator, the Agency, or the Director.

2. Monitoring Plan

- a. The Permittee shall submit a monitoring plan to the Director for approval within forty-five (45) days after the date of issuance of this permit in the event that a monitoring plan has never previously been submitted.
- b. The Permittee shall submit a new monitoring plan or amendments to previous monitoring plans to the Director for approval within forty-five (45) days after the date of issuance of this permit in the event that:
 - 1) changes in the monitoring plan are to be made,
 - 2) additional or different monitoring is required by this permit, or
 - 3) the latest monitoring plan submittal was rejected by the Agency.
- c. Monitoring plans shall include the items described in Agency Regulation WPC 36 (n)(2).

3. Reporting

- a. All monitoring results obtained pursuant to the provisions of this permit shall be summarized on a monthly basis and reported on the designated "Discharge Monitoring Report Form".
- b. Reports shall be submitted quarterly and received or post-marked no later than the 21st day of the month following the completed reporting period. The first report is due on the reporting date following the first reporting period where monitoring is required beginning on the date of issuance of this permit. If the reporting period specified above is quarterly, reports shall be due on the 21st day of April, July, October, and January. Signed copies of these, and all other reports required herein, shall be submitted to the Director at the following address:

Minnesota Pollution Control Agency
1935 West County Road B2
Roseville, Minnesota 55113
Attn: Compliance and Enforcement Section

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- c. The Permittee shall report the results of the monitoring in the units specified in this permit. The reports or written statements shall be submitted even if no discharge occurred during the reporting period. The report shall include (a) a description of any modifications in the wastewater collection, treatment, and disposal facilities; (b) any substantial changes in operational procedures; (c) any other significant activities which alter the nature or frequency of the discharge; (d) any other material factors affecting compliance with the conditions of this permit and such information as the Agency or Director may reasonably require of the Permittee pursuant to Agency Regulation, WPC 36 (n) and Minnesota Statutes, Chapters 115 and 116 as amended.
- d. Except for data determined to be confidential under Section 308 of the Act, and Minnesota Statutes, Section 116.075, Subd. 2, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Agency. Procedures for submitting such confidential material shall be pursuant to Minnesota Regulation WPC 36 (j) (2). As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report, confidential or otherwise, is subject to the imposition of criminal penalties as provided for in Section 309 of the Act and Minnesota Statutes, Section 115.071 Subd. 2 (b).

E. DEFINITIONS

1. The "Agency" means the Minnesota Pollution Control Agency, as constituted pursuant to Minnesota Statutes, Section 116.02, Subd. 1.
2. The "Director" means the Executive Director, or other Agency staff as authorized by the Executive Director, of the Minnesota Pollution Control Agency as described in Minnesota Statutes, Section 116.03 as amended.
3. The "Regional Administrator" means the Environmental Protection Agency (EPA) Regional Administrator for the region in which Minnesota is located (now Region V).
4. The "Act" means the Federal Water Pollution Control Act, as amended 33 U.S.C. 1251, et seq.
5. A "Composite" sample, for monitoring requirements, is defined as (1) a series of grab samples collected at least once per hour at equally spaced time intervals and proportioned according to flow, or (2) grab samples of equal volume collected at equally spaced intervals of effluent volume and collected not less than once per hour unless otherwise approved in the monitoring plan.
6. "Thirty (30) Consecutive Day Average" Discharge.
 - a. Weight Basis - The "thirty (30) consecutive day average" discharge is defined as the summation of the measured daily discharges by weight divided by the number of days during the thirty (30) consecutive day period when the measurements were made.
 - b. Concentration Basis - The "thirty (30) consecutive day average" concentration, other than for fecal coliform bacteria, is defined as the arithmetic average (weighted by flow value) of all the daily determinations of concentration made during the thirty (30) consecutive day period. Daily determinations of concentration made using a composite sample shall be the concentration of the composite sample. When grab samples are used, the daily determination of concentration shall be the arithmetic average (weighted by flow value) of all the samples collected during the calendar day.

The "thirty (30) consecutive day average" for fecal coliform bacteria is defined as the geometric mean of samples collected in a period of thirty (30) consecutive days.

7. "Daily Maximum" Discharge

- a. Weight Basis - The "daily maximum" discharge means the total discharge by weight during any calendar day.
- b. Concentration Basis - The "daily maximum" concentration means the daily determination of concentration for any calendar day.

8. The "Seven (7) Consecutive Day Average" concentration, other than for fecal coliform bacteria, is defined as the arithmetic mean of the samples collected in a period of seven (7) consecutive days. The seven (7) consecutive day average for fecal coliform bacteria is defined as the geometric mean of samples collected in a period of seven (7) consecutive days.

9. Pollutants, Toxic Pollutants, Other Wastes, Point Source, Disposal System, Waters of the State, and other terms for the purpose of this permit are defined in Section 502 of the Act and Minnesota Statutes 115.01 as amended and Agency Regulation WPC 36 (b).

PART II

A. MANAGEMENT REQUIREMENTS

1. Non-Compliance and Bypass Notification

If, for any reason, the Permittee exceeds any effluent limitation specified in the permit, bypasses, or causes a diversion of wastewater or unauthorized discharge in violation of this permit, the Permittee shall notify the Director as follows:

a. Telephone Communication

Report Immediately to the Compliance and Enforcement Section (612)296-7373 any bypass which may cause a nuisance or health hazard and all unauthorized discharges, accidental or otherwise of oil, toxic pollutants, or other hazardous waste. The Permittee shall immediately recover as rapidly and thoroughly as possible such discharged substance(s) and take such other action as may be reasonable to minimize or abate pollution of the waters of the State. This must be followed by a written explanation on the discharge monitoring report.

b. Prior Approval

Bypassing which would result in the discharge of raw or inadequately treated effluent is prohibited during routine maintenance procedures. If, for any reason, a major treatment unit must be bypassed for routine maintenance, and this bypass will result in a degradation of the effluent, the Director (Attn: Operations Unit, (612)296-7207) must be notified and grant approval prior to removing this unit from service. In the case of emergency maintenance, the Director shall be informed of the circumstances surrounding the need for emergency maintenance and the action taken.

c. Written Report

Report on the Discharge Monitoring Report, any violation of daily minimum, maximum, seven (7) day average, or thirty (30) day average effluent limitation and any bypass that did not present a nuisance or health hazard.

d. Written notification required above shall contain the following information:

- (1) A description of the discharge, approximate volume, and cause of non-compliance or bypass.
- (2) The period of non-compliance or bypass including exact dates and times; or if not corrected, the anticipated time the non-compliance is expected to continue; and steps taken to correct, reduce, eliminate and prevent recurrence of the non-complying discharge.

2. Bypassing

The diversion or bypass of any discharge from the collection system or treatment facility by the Permittee is prohibited, except: (1) where unavoidable to prevent loss of life or severe property damage; or (2) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the terms and conditions of this permit or (3) where emergency maintenance must be performed; or (4) where routine maintenance must be performed on a major treatment unit and prior approval has been received from the Director. Provision (3) does not authorize discharges caused by a failure to perform routine or preventive maintenance or by a failure to maintain system reliability in accordance with PART II, A.7.

3. Adverse Impact

The Permittee shall take all reasonable steps to minimize any adverse impact to waters of the State resulting from:

- a. all unauthorized discharges accidental or otherwise, of oil, toxic pollutants or other hazardous substances;
- b. effluent limitation violations or;
- c. a bypass.

4. Change in Discharge

- a. All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant more frequently than, or at a level in excess of, that identified and authorized by this permit shall constitute a violation of the terms and conditions of this permit. Such a violation may result in the imposition of civil or criminal penalties as provided for in Section 309 of the Act and Minnesota Statutes Section 115.071.
- b. Facility modifications, additions, and/or expansions that increase the plant capacity shall be reported to the Director, (Attn: Compliance and Enforcement Section) and this permit then modified or reissued to reflect such changes.
- c. Any anticipated change in the facility discharge, including any new significant industrial discharge or significant change in the quality of existing industrial discharges to the treatment system that may result in a new or increased discharge of pollutants shall be reported to the Director, (Attn: Compliance and Enforcement Section). Modification to the permit may then be made to reflect any necessary change in permit conditions, including any necessary effluent limitations for any pollutant not identified and limited herein.

- d. In no case are any new connections, increased flows, or significant changes in influent quality permitted that will cause violation of the effluent limitations specified herein.

5. Facilities Operation and Quality Control

All waste collection, control, treatment, and disposal facilities shall be operated in a manner consistent with the following:

- a. Maintenance of the treatment facility that results in degradation of effluent quality shall be scheduled as much as possible during non-critical water quality periods and shall be carried out in a manner approved by the Director.
- b. The Director may require the Permittee to submit a maintenance plan to eliminate degradation of the effluent. The Permittee shall operate the disposal system in accordance with this plan as approved by the Director.
- c. The Permittee shall provide an adequate operating staff which is duly qualified under 6 MCAR Part 5.003 if applicable (as determined by the Director pursuant to Agency Regulation WPC 36 (1) (6) (ee), to carry out the operation, maintenance and testing functions required to insure compliance with the conditions of this permit.
- d. The Permittee shall at all times maintain in good working order and operate as efficiently as possible all facilities or systems of control installed or used to achieve compliance with the terms and conditions of this permit.
- e. Necessary in-plant control tests shall be conducted at a frequency adequate to ensure continuous efficient operation of the treatment facility.

6. Removed Substances

The Permittee shall dispose of solids, sludges, filter backwash, or other pollutants removed from or resulting from treatment or control of wastewaters in such manner as to prevent any pollutant from such materials from entering waters of the State. The Permittee in disposal of such materials shall comply with all applicable water, air, and solid waste Statutes and Regulations. When requested, the Permittee shall submit a plan for such disposal for approval by the Director.

7. System Reliability

The Permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes at all times. The Permittee is responsible for insuring system reliability by means of alternate power sources, back-up systems, storage of inadequately treated effluent, or other appropriate methods of maintaining system reliability.

8. Construction

This permit only authorizes the construction of treatment works to attain compliance with the limitations and conditions of this permit, after plans and specifications for treatment facilities have been submitted to and approved in writing by the Director prior to the start of any construction.

B. RESPONSIBILITIES**1. Transfer of Ownership or Control**

No permit may be assigned or transferred by the holder without the approval of the Agency. In the event of any changes in control or ownership of the facilities, a Request for Permit Transfer, signed by both parties shall be sent to the Agency, (Attn: Compliance and Enforcement Section). Any succeeding owner or controller shall also comply with the terms and conditions of this permit.

2. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. violation of any terms or conditions of this permit;
- b. obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
- c. a change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge; or
- d. Agency Regulation WPC 36 (s) (1).

3. Toxic Pollutants

Notwithstanding PART II, B.2. above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307 (a) of the Act or Minnesota Statutes Chapters 115 and 116 as amended, for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitations for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and in accordance with applicable laws and regulation.

4. Right of Entry

The Permittee shall, pursuant to Section 308 of the Act and Minnesota Statutes 115.04, allow the Director of the Agency, the Regional Administrator, and their authorized representatives upon presentation of credentials:

- a. to enter upon the Permittee's premises where a disposal system or other point source or portion thereof is located for the purpose of obtaining information, examination of records, conducting surveys or investigations;
- b. to bring such equipment upon the Permittee's premises as is necessary to conduct such surveys and investigations;

- c. to examine and copy any books, papers, records, or memoranda pertaining to the installation, maintenance, or operation of the discharge, including but not limited to, monitoring data of the disposal system or point source or records required to be kept under the terms and conditions of this permit;
- d. to inspect any monitoring equipment or monitoring procedures required in this permit; and
- e. to sample any discharge of pollutants.

5. Civil and Criminal Liability

Nothing in this permit shall be construed to relieve the Permittee from civil or criminal penalties for non-compliance with the terms and conditions provided herein.

6. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties to which the Permittee is or may be subject to under Section 311 of the Act and Minnesota Statutes, Chapters 115 and 116 as amended.

7. Minnesota Laws

Nothing in this permit shall be construed to preclude the institution of any legal or administrative proceedings or relieve the Permittee from any responsibilities, liabilities, or penalties for violation of effluent and water quality limitations not included in this permit.

8. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or Local laws or regulations.

9. Severability

The provisions of this permit are severable, and if any provisions of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.